



Drawing a Box and Whisker Plot of Foot Length

The following random sample of foot lengths was obtained using the CensusAtSchool random sampler:

Q12.Right Foot (cm)

Female	23, 23, 20, 22, 23, 23, 23, 25, 22, 21, 24, 24, 22, 24, 23, 21, 26, 24, 21, 23, 23, 24
Male	25, 25, 25, 25, 26, 30, 28, 22, 28, 26, 23, 23, 27, 29, 26, 23, 26, 23, 23, 24, 30, 27, 27, 27, 90, 27, 22, 28,

Task:

1. Use the space below to rewrite the data in ascending order.

Female:

Male:

2. Show the 5 figure summary statistics (min, Q1, med, Q3, max) in the table below.

	min	Q1	med	Q3	max
Female					
Male					

3. Use an appropriate scale to draw parallel box and whisker plots on the number line below. Consider any possible outliers **and** be prepared to explain whether or not they should be included in the data.

Female

Male



4. Comment on the significant similarities and differences for male and female foot length.



Extension:

- 5.** Visit the CensusAtSchool website and collect your own random sample. Use the sample to construct another set of parallel box and whisker plots to compare with the one above.

Note: CASQ_35B follows on from this lesson.